

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA  
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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,  
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

CORN AND SOYBEANS MATURED RAPIDLY AMID WARM TEMPS

Corn and soybeans matured rapidly aided by warm temperatures during the past week, according to USDA, NASS, Minnesota Field Office. Producers were busy harvesting corn for silage, potatoes, and dry beans, while sweet corn and canola harvests were both more than 80 percent completed. Topsoil moisture supplies continued mostly unchanged despite breezy conditions and scattered showers. There was an average of 6.0 days suitable for fieldwork.

The average temperature for the week was 67.7°, 6.1° above normal. Statewide topsoil moisture supplies as of Friday were rated 15 percent very short, 24 short, 55 adequate, and 6 surplus.

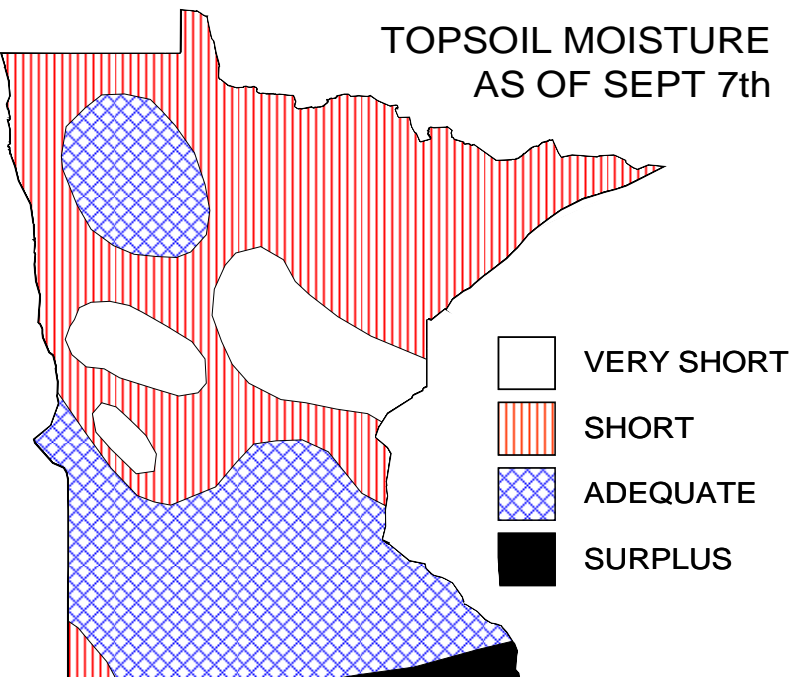
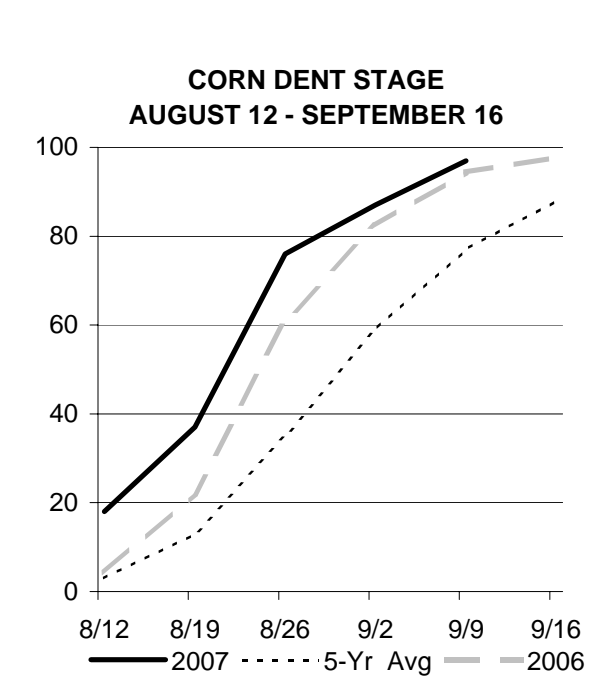
As of Sunday, Sep 9<sup>th</sup>, 97 percent of corn had reached the dent stage, compared to 77 percent for the five-year average. Thirty-one percent of corn was mature, compared to 13 percent average. Eighty-five percent of soybeans were turning yellow, compared to 67 percent average. Forty-five percent of soybeans were dropping leaves compared to 25 percent average.

As of Friday, Sep 7<sup>th</sup>, thirty-nine percent of field corn, and 54 percent of soybean were rated in good or excellent condition. Eighty-seven percent of potatoes, 70 percent of sunflowers, and 58 percent of sugarbeets were rated in good or excellent condition.

Days Suitable for Fieldwork: 6.0				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	15	24	55	6

Crop Progress as of September 9, 2007					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Denting	97	87	94	77
	Mature	31	13	20	13
	Silage	60	36	47	35
Soybeans	Turning Yellow	85	51	71	67
	Dropping Leaves	45	13	31	25
	Mature	8	1	4	4
Sugarbeets	Harvested	5	2	6	2
Sweet Corn	Harvested	83	75	84	75
Potatoes	Harvested	40	35	50	36
Dry Beans	Harvested	27	13	26	17
Canola	Harvested	92	79	100	77

Crop Condition as of September 7, 2007 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	15	24	33	22	6
Corn	12	15	34	30	9
Soybeans	5	10	31	41	13
Sugarbeets	3	5	34	39	19
Potatoes	1	2	10	69	18
Dry Beans	5	12	37	41	5
Sunflowers	1	5	24	49	21



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING September 9,2007:  
Temperatures averaged from 3.1 degrees above normal in the Northwest District to 8.4 degrees above normal in the East Central District. Extremes: 34 degrees in International Falls; 96 degrees in Moorhead, Browns Valley. Precipitation averaged from 0.21 inch below normal in the Central District to 0.73 inch above normal in the North Central District. Greatest weekly total was 2.40 inches recorded in Rochester.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 9/3/2007 through 9/9/2007

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Norm Since 4/1	Since May 3	Depart from Norm
<u>NW DIST 1</u>										
Crookston	94	36	63.8	2.9	1.58	1.01	1.28	3.11	2128	76
Moorhead	96	38	65.2	3.4	1.18	.66	.52	3.87	2361	214
Warroad	88	35	61.0	3.0	.83	.18	-1.22	1.33	1939	149
<u>NC DIST 2</u>										
Grand Rapids	91	42	62.1	3.8	2.38	1.64	.76	-4.82	2100	307
Intl. Falls	90	34	58.1	1.3	1.32	.57	-.87	-1.12	1769	90
Itasca	89	38	62.8	5.8	.73	-.01	-.84	.31	2011	328
<u>NE DIST 3</u>										
Duluth	88	46	63.0	5.1	.38	-.66	-2.33	-7.16	1840	262
Grand Marais	75	49	61.2	3.1	1.96	1.17	.39	-3.04	1147	-63
Hibbing	87	36	59.6	2.6	.17	-.59	-2.47	-9.74	1794	161
<u>WC DIST 4</u>										
Alexandria	93	48	68.0	6.6	.34	-.36	-2.56	-8.70	2357	302
Browns Valley	96	44	69.4	6.0	1.02	.55	-.03	5.01	2256	-14
Canby	93	47	71.8	6.8	.16	-.42	-.11	-1.50	2508	128
Fergus Falls	95	43	67.2	5.6	.04	-.52	-2.00	1.16	2301	217
Montevideo	94	46	69.2	5.6	.17	-.41	.04	-2.50	2439	177
Morris	93	46	69.4	6.7	.76	.22	-.54	-2.07	2312	111
<u>CENT DIST 5</u>										
Becker	90	48	71.2	10.3	1.26	.43	.41	-5.44	2490	462
Collegeville	93	47	69.6	5.4	.35	-.45	.12	-4.58	2597	291
Hutchinson	94	48	72.5	9.0	.62	-.03	.48	-3.95	2538	257
Olivia	93	46	71.1	8.6	.23	-.47	.51	-2.93	2413	193
St. Cloud	91	44	68.0	7.1	.60	-.17	-.19	-4.66	2368	340
Staples	90	42	66.1	6.8	.42	-.20	-1.64	-2.73	2117	280
Willmar	93	49	71.6	8.7	.19	-.54	1.62	-2.70	2482	265
<u>EC DIST 6</u>										
Aitkin	88	48	68.3	9.8	1.56	.82	-.04	-5.99	2081	345
Forest Lake	93	49	71.4	8.9	.38	-.49	.49	-5.68	2453	284
MSP Airport	92	52	72.0	7.5	1.25	.53	5.32	.08	2747	378
St. Paul - UofM	91	50	72.8	7.3	.89	.06	1.96	-6.78	2747	313
<u>SW DIST 7</u>										
Lamberton	92	46	70.7	7.1	.41	-.25	1.94	-1.58	2490	181
Pipestone	89	48	70.4	7.5	.68	.00	2.04	-3.19	2449	226
Redwood Falls	94	47	70.2	5.1	.36	-.30	3.56	-1.81	2538	95
Worthington	89	46	70.3	7.8	.99	.32	8.30	4.55	2479	315
<u>SC DIST 8</u>										
Faribault	91	49	71.1	8.0	1.14	.29	2.43	-2.62	2493	288
Mankato	92	50	72.0	8.2	.95	.13	4.18	-3.94	2503	202
Waseca	91	48	72.2	8.7	1.20	.35	5.81	2.64	2495	250
Winnebago	91	51	72.6	8.1	.46	-.25	3.13	-4.84	2486	163
<u>SE DIST 9</u>										
Preston	89	48	70.8	8.0	.83	-.11	8.94	8.18	2312	193
Red Wing	93	52	72.9	8.9	.65	-.23	4.18	-.18	2518	232
Rochester	88	52	69.8	7.5	2.40	1.58	9.08	5.33	2476	383
Rosemount	90	51	71.6	8.6	.49	-.42	3.24	-2.69	2513	333
Winona	89	54	72.2	5.9	1.47	.58	5.69	7.08	2443	-85

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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